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PATENT

UMICORE 0155-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ZUBER *et al.* Examiner: To be assigned  
Serial No.: 10/564,794 Group Art Unit: To be assigned  
Filed: January 13, 2006  
For: Membrane Electrode Assembly For Use In Electrochemical Devices  
Customer No.: 23719

Kalow & Springut LLP  
488 Madison Avenue, 19th Floor  
New York, New York 10022

July 26, 2006

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, Applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO/SB/08A and B. Applicants do not admit that the references are "prior art" under 35 U.S.C. §§ 102 or 103, and specifically reserve the right to traverse or antedate any such references. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with Applicants' duty to disclose all information of which they are aware and believe relevant to the examination of the above-identified application, Applicants believe that their invention is patentable.

Certificate of Mailing Under 37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited on the date shown below with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(Signature)

Marie Daly  
(Printed Name of Person Signing Certificate)

July 26, 2006  
(Date)

Applicant: ZUBER, *et al.*  
 Serial No.: 10/564,794  
 Filed: January 13, 2006  
 Information Disclosure Statement  
 July 26, 2006  
 Page 2 of 4



### I. U.S. PATENT DOCUMENTS

<b>Patent No.</b>	<b>Date Issued</b>	<b>Title</b>
4,555,324 to UENO, <i>et al.</i>	May 7, 1984	Porous Gas Diffusion Electrode and Method of Producing Same
4,652,502 to BREault, <i>et al.</i>	March 24, 1987	Electrochemical Cell and Method for Making the Porous Plate
5,176,966 to EPP, <i>et al.</i>	January 5, 1993	Fuel Cell Membrane Electrode and Seal Assembly
5187025 to KELLAND, <i>et al.</i>	February 16, 1993	Unitized fuel cell structure
5,264,299 to KRASIJ, <i>et al.</i>	November 23, 1993	Proton Exchange Membrane Fuel Cell Support Plate and an Assembly Including the Same
5,464,700 to, STECK, <i>et al.</i>	November 7, 1995	Gasketed Membrane Electrode Assembly for Electrochemical Fuel Cells
5,858,569 to MEACHER, <i>et al.</i>	January 12, 1999	Low Cost Fuel Cells Stack Design
5,945,192 to KATO, <i>et al.</i>	August 31, 1999	Sealing Assembly for a Solid Polymer Ion Exchange Membrane
6,020,083 to BREault, <i>et al.</i>	February 1, 2000	Membrane Electrode Assembly for PEM Fuel Cell
6,057,054 to BARTON, <i>et al.</i>	May 2, 2000	Membrane Electrode Assembly for an Electrochemical Fuel Cell and a Method of Making an Improved Membrane Electrode
6,159,628 to GRASSO, <i>et al.</i>	December 12, 2000	Use of Thermoplastic Films to Create Seals and Bond PEM Cell Components
6197147 B to BONSEL, <i>et al.</i>	March 6, 2001	Process for continuous production of membrane-electrode composites
6245454 B to GOCHO, <i>et al.</i>	June 12, 2001	Fuel cell and method of installing linings on gas manifolds of fuel cell

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July 26, 2006  
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## II. U.S. PATENT APPLICATION PUBLICATION

Publication No.	Date Issued	Title
2002/079235 A1 to MOLTER, <i>et al.</i>	January 27, 2002	Method for electrolysis of water using a polytetrafluoroethylene supported membrane in electrolysis cells

## III. FOREIGN PATENT DOCUMENTS

Publication No.	Country	Publication Date
EP 1 289 042 A2	EP	05 March 2003
EP 1 289 042 A3	EP	16 March 2005
EP 0 951 086 B	EP	05 January 2005
EP 0 951 086 A2	EP	20 October 1999
EP 0 951 086 A3	EP	17 October 2001
JP 09 289028 A JPO Abstr.	JP	04 November 1997
JP 11 045729 A JPO Abstr.	JP	16 February 1999
JP 09 063622 A JPO Abstr.	JP	07 March 1997

## IV. NON PATENT PUBLICATIONS

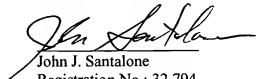
International Search Report for PCT/EP2004/007802 dated 07 March 2006. (2 pages)

International Search Report for PCT/EP2004/007794 dated 19 September 2005. (3 pages)

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July 26, 2006  
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Because no action has been taken on the merits, Applicants submit that no fee is due at this time. However, if a fee is deemed necessary, please charge Deposit Account No. 11-0171.

Respectfully submitted,



John J. Santalone  
Registration No.: 32,794  
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JUL 31 2006

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Sheet 1 of 3

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

## **Complete if Known**

Application Number 10/564,794  
Filing Date January 13, 2006  
First Named Inventor ZUBER, Ralf  
Art Unit To be assigned  
Examiner Name To be assigned  
Attorney Docket Number UMICORE 0155-US

## **U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US-	4,555,324	05-07-1984	UENO, et al.	
	US-	4,652,502	03-24-1987	BREAULT, et al.	
	US-	5,176,966	01-05-1993	EPP, et al.	
	US-	5187025	02-16-1993	KELLAND, et al.	
	US-	5,264,299	11-23-1993	KRASIJ, et al.	
	US-	5,464,700	11-07-1995	STECK, et al.	
	US-	5,858,569	01-12-1999	MEACHER, et al	
	US-	5,945,192	08-31-1999	KATO, et al.	
	US-	6,020,083	02-01-2000	BREAULT, et al.	
	US-	6,057,054	05-02-2000	BARTON, et al.	
	US-	6,159,628	12-12-2000	Grasso, et al.	
	US-	6197147	03-06-2001	BONSEL, et al.	
	US-	6245454	06-12-2001	GOCHO, et al.	
	US-	2002/079235	01-27-2002	MOLTER, et al.	
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## **FOREIGN PATENT DOCUMENTS**

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		EP 1 289 042 A2	03-05-2003	Honda Giken		
		EP 1 289 042 A3	03-05-2003	Honda Giken		
		EP 0 951 086 B	01-05-2005	Matsushita		
		EP 0 951 086 A2	10-20-1999	Matsushita		
		EP 0 951 086 A3	10-17-2001	Matsushita		
		JP 09 289028 A JPO Abstr.	11-04-1997	Tanaka		

Examiner Signature	/Monique Wills/ (05/20/2010)	Date Considered	05/20/2010
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet **2** of **3**

### Complete if Known

Application Number	10/564,794
Filing Date	January 13, 2006
First Named Inventor	ZUBER, Ralf
Art Unit	To be assigned
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Attorney Docket Number	UMICORE 0155-US

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		JP 11 045729 A JPO Abstr.	02-16-1999	FUJII Electric		
		JP 09 063622 A JPO Abstr.	03-07-1997	Mitsubishi		

Examiner Signature	/Monique Wills/ (05/20/2010)	Date Considered	05/20/2010
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				Filing Date	January 13, 2006
				First Named Inventor	ZUBER, Ralf
				Art Unit	To be assigned
				Examiner Name	To be assigned
				Attorney Docket Number	UMICORE 0155-US

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		International Search Report for PCT/EP2004/007802 dated 07 March 2006. (2 pages)	
		International Search Report for PCT/EP2004/007794 dated 19 September 2005. (3 pages)	

Examiner Signature	/Monique Wills/ (05/20/2010)	Date Considered	05/20/2010
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